



Division of Public Health Services

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FAX TRANSMITTAL SHEET

DATE: **March 21, 2008**

TO: **Laboratory Director and QA Manager**

FROM: **Steven D. Baker, Assistant Bureau Chief**

State Laboratory Services

Subject: **Information Update #99**

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NOTE: **If any of the pages are missing, please call 1-800-952-0374, (602) 364-0734 or (602) 364-0733.**

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***THIS MESSAGE AVAILABLE IN ALTERNATIVE FORMAT UPON REQUEST, BY CONTACTING:
Prabha Acharya AT (602) 364-0734.***

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Leadership for a Healthy Arizona



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Information Update

March 21, 2008
Update #99

1. Method Modifications dated 8/29/2001 has been revised and the Revision 1.0 dated 2/19/2008 was ADHS Director Approved on 3/05/2008. You can access this document on the ADHS website:
<http://www.azdhs.gov/lab/license/tech/infoup.htm>

Some of the major points are listed below; for details please read the document at the website listed in item #1 above:

A. Methods/additional parameters approved per Method Modifications:

- ML525.2 [revision date 06/20/07], which allows the use of quadratic equation. The labs can request this method to be added to their license at no extra cost if they are already licensed for EPA Method 525.2 in drinking water. This method can be accessed at the following ADHS website: http://www.azdhs.gov/lab/license/tech/ml5252_062007.pdf
- Additional metals approved for wastewater testing by EPA Method 200.7, revision 4.4 are Mercury, Phosphorous, Silica and Titanium.
- Additional metals approved for wastewater testing by EPA Method 200.8, revision 5.4 are Boron, Calcium, Iron, Magnesium, Potassium, Sodium, Silica, Tin, Titanium and Gold.
- The Arizona licensed labs can request director approval of any new individual method, which is not currently in the ADHS rules, from the list of methods found in, *Table 2.-- Revised Analytical Methods and Chapters of SW-846 in Final Update IV*. ADHS will not be approving the newer revisions of the methods that currently exist in the rules. SW-846 Update IV can be accessed at the following website:

<http://www.epa.gov/fedrgstr/EPA-WASTE/2008/January/Day-03/f25575.htm>

B. Following EPA publications/Rules were adopted into the ADHS Rules:

- MUR dated 3/12/2008
- Wastewater/Sewage Sludge Rule dated 3/26/2008

- Updated Chapters of SW846 Update IV
 - Pathogens and Vectors in Sewage Sludge (July 2003). This would be used as a guidance document along with the current licensable method 600/1-87-014.
- C. For EPA Method 524.2, it is permissible to use the desorb time between 3.5 and 4.4 minutes.
- D. Field blank analysis is not required when reporting positive results for total trihalomethanes using Methods 502.2 or 524.2.
- E. Some of the items from the previous revision that were changed; anyone wanting a variance would have to get EPA Region IX written approval:
- ADHS will no longer allow over night drying of Solids testing (Inorganics/Wet Chemistry, items 4 and 5) due to the difficulty in tracking comparability studies for each matrix type.
 - ADHS will begin to enforce the method requirement of the Quadruplicate analysis for aqueous samples (Metals, item 10, SW-846/9060), due to the quadruplicate requirement in the recent version of 9060A.
 - ADHS will no longer allow filtering of drinking water samples (Radiochemistry, item 1), due to this allowance having been removed from the DW manual, 5th Edition.
2. Method TO14A, Determination Of Volatile Organic Compounds (VOCs) In Ambient Air Using Specially Prepared Canisters With Subsequent Analysis By Gas Chromatography, EPA/625/R-96/010b, was Director Approved on 3/19/2008. The interested labs can now send a request to our office to add this method to their license.
3. EPA methods from various programs can now be accessed at the following website:
<http://www.epa.gov/osa/fem/methcollectns.htm>
4. The DMRQA-28 Study will begin on 1 May and run till 29 August, 1 month longer than in the past. EPA is asking that permittees use the fillable PDF form that will be available shortly on the EPA website to type out the information on the NPDES Permittee Data Report Form and print it out to sign and submit. This should assist with processing the information as the form is more readable and legible. The form is at www.epa.gov/compliance/monitoring/programs/cwa/dmr/.

For more information please contact Kathryn Wangsness at (602) 364-0724 or at wangsnk@azdhs.gov

5. A memo from Richard Redding of EPA with regards to the three new pharmaceutical/personal care methods for testing wastewater:

Colleagues

We have posted three EPA-developed methods at <http://www.epa.gov/waterscience/methods/index.htm>. Click on the Other Methods (Methods published by EPA, but not promulgated) link. The three methods are 1694, 1698 and 1699, and cover several chemicals in the PPCP (pharmaceuticals & personal care products) and pesticide

classes.

These methods are single-lab validated and peer reviewed. They were developed under the leadership of Dr. Brian Englert. Please direct inquiries to Brian.

Are these Part 136 methods? No, and we have no immediate plans to propose to make them so. Rather we are using them to characterize occurrence in various wastewaters; others may wish to do likewise.

Eventually, we will conduct a multi-laboratory validation study.

Please pass this information on to any interested parties. We are noticing these methods to you and your colleagues as alternatives to other PPCP or pesticide methods in the literature. Brian welcomes any and all user experiences from laboratory analysts who choose to use these methods.

Thanks.

*Richard Reding, Ph.D., Chief
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6. Please contact Prabha Acharya @ (602) 364-0734 or (480) 284-6869 or acharyp@azdhs.gov for any technical or method related questions. The earlier Information Updates can be accessed @ <http://www.azdhs.gov/lab/license/tech/infoup.htm>